

tically determined pattern-systems which appear to be activated or inactivated separately and probably have different temperature coefficients. Pupae monitored as having just completed in-diapause changes are required for experimental investigation of thermal effects on post-diapause pattern development.

In *Artogeia napi*, exceptionally, phenotypes other than the "spring" and "summer" forms normal for the subspecies concerned may be produced. Late summer ("autumn") forms are generally summer forms modified to a variable extent. The artificial "super-spring" phenotype mimics the "restricta" form developed even in European stocks when they are made homozygous for a recessive gene present in ssp. *oleracea*.

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FEBRUARY IN HAMPSHIRE. — The temperature on the 11th at 11.30 p.m. was 27°F. By the 16th snow lay from 4 in. deep and temperatures were still at freezing point. From the 16th to 22nd snow drifts up to 6 ft. deep blocked many roads. On the 23rd it was warm and most of the snow had thawed. The temperature on the 24th at 11.30 p.m. was 50°F. and I recorded the following at my m.v. light: *Phigalia pilosaria* D. & S. (Pale Brindled Beauty) (21), a record for one night; *Erannis leucophaearia* D. & S. (Spring Usher) (6), not recorded before from the garden; *Theria rupicaprararia* D. & S. (Early Moth) (5), a record for one night; *Operophtera brumata* L. (Winter Moth) (1), not previously recorded in February in my garden; *Conistra vaccinii* L. (Chestnut). After this remarkable night, one wonders what the rest of 1978 will hold. — R. A. BELL, Northwood Lodge, Northwood Park, Sparsholt, near Winchester, Hants.